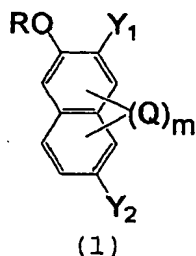
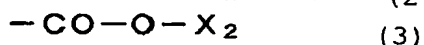


## CLAIMS

1. An aminocarbonylnaphthol derivative represented by formula (1):



wherein each  $Y_1$  and  $Y_2$  is independently selected from the group consisting of aminocarbonyl group, a group represented by formula (2), a group represented by formula (3), a group represented by formula (4) and carboxyl group, provided that at least one of  $Y_1$  and  $Y_2$  represents aminocarbonyl group;



wherein  $n$  is an integer of 1 or 2;

$\text{X}_1$  is selected from the group consisting of an optionally branched, optionally substituted, saturated or unsaturated aliphatic group having 1-20 carbon atoms, an optionally substituted aromatic group and an optionally substituted heterocyclic group having conjugated double bonds;

$\text{X}_2$  is an optionally branched, saturated or unsaturated aliphatic group having 1-6 carbon atoms;

A is an optionally substituted aromatic group or an optionally substituted heterocyclic group having conjugated double bonds;

5 Z is selected from the group consisting of -O-, -S- and -NH-;

Q is selected from the group consisting of an optionally branched alkyl group having 1-6 carbon atoms, an optionally branched alkoxy group having 1-6 carbon atoms, halogen atom, nitro group and nitroso group;

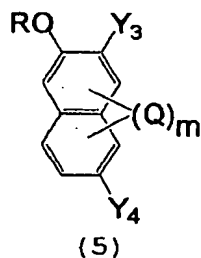
10 m is an integer of 0-3;

R is selected from the group consisting of hydrogen atom, an alkaline metal, an optionally branched and optionally substituted alkyl group having 1-20 carbon atoms, an optionally branched and optionally substituted acyl group having 2-20 carbon atoms and phenylalkyl group.

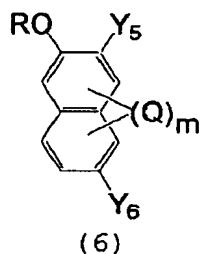
2. The aminocarbonylnaphthol derivative according to claim 1, wherein R is selected from the group consisting of an optionally branched and optionally substituted alkyl group having 1-20 carbon atoms and phenylalkyl group.

3. A process for preparing an aminocarbonylnaphthol derivative represented by formula (6) comprising converting a carboxyl group of a naphthol derivative having carboxyl group represented by formula (5) to an acid halide and

reacting the resulting acid halide of the naphthol derivative with ammonia:

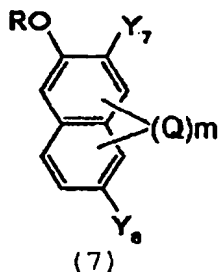


wherein each  $Y_3$  and  $Y_4$  is independently selected from the group consisting of carboxyl group and groups represented by formulae (2), (3) and (4) defined in claim 1, provided that at least one of  $Y_3$  and  $Y_4$  is carboxyl group; R, Q and m are the same as defined in claim 1;



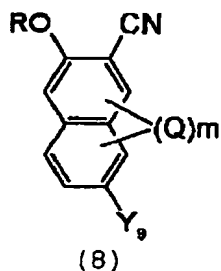
wherein each  $Y_5$  and  $Y_6$  is independently selected from the group consisting of aminocarbonyl group and groups represented by formulae (2), (3) and (4) defined in claim 1, provided that at least one of  $Y_5$  and  $Y_6$  is aminocarbonyl group; R, Q and m are the same as defined in claim 1.

4. A cyanonaphthol derivative represented by formula (7):



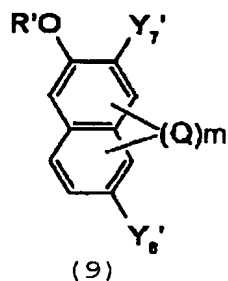
wherein each  $Y_7$  and  $Y_8$  is independently selected from the group consisting of cyano group, groups represented by the formulae (2), (3) and (4) defined in claim 1, carboxyl group and aminocarbonyl group, provided that at least one of  $Y_7$  and  $Y_8$  is cyano group; Q, R and m are the same as defined in claim 1; and a salt thereof.

5. A cyanonaphthol derivative represented by formula (8):



wherein  $Y_9$  is selected from the group consisting of cyano group, groups represented by formulae (2), (3) and (4) defined in claim 1, carboxyl group and aminocarbonyl group; R, Q and m are the same as defined in claim 1; and a salt thereof.

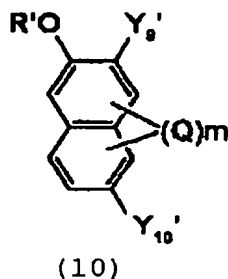
6. A process for preparing a cyanonaphthol derivative represented by formula (10) comprising converting a carboxyl group of a naphthol derivative having carboxyl group represented by formula (9) to aminocarbonyl group, and reacting the resulting naphthol derivative having aminocarbonyl group with a dehydrating agent:



wherein each  $Y_7'$  and  $Y_8'$  is independently selected from the group consisting of carboxyl group and groups represented by formulae (2), (3) and (4) defined in claim 1, provided that at least one of  $Y_7'$  and  $Y_8'$  is carboxyl group;

$R'$  is selected from the group consisting of an optionally branched and optionally substituted alkyl group having 1-20 carbon atoms and phenylalkyl group;

15  $Q$  and  $m$  are the same as defined in claim 1;



wherein each  $Y_9'$  and  $Y_{10}'$  is independently selected from the group consisting of cyano group and groups represented by formulae (2), (3) and (4) defined in claim 1, provided that at least one of  $Y_9'$  and  $Y_{10}'$  is cyano group;  $R'$ ,  $Q$  and  $m$  are the same as defined in claim 1.

7. The process for preparing the cyanonaphthol derivative of claim 6 wherein said dehydrating agent is phosphoryl chloride.

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